| SEC For  | rm 4  |   |  |  |  |  |  |                  |          |                    |  |  |   |   |                            |  |   |  |
|--|---|---|--|--|--|--|--|------------------|----------|--------------------|--|--|---|---|----------------------------|--|---|--|
| FORM 4   |   |   | UNITED STATES SECURITIES AND EXCHANGE COMMISSION<br>Washington, D.C. 20549 OMB APPROVAL  |  |  |  |  |                  |          |                    |  |  |   |   |                            |  | (0)   |  |
| Check this box if no longer subject to<br>Section 16. Form 4 or Form 5<br>obligations may continue. See<br>Instruction 1(b). |   |   | STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP<br>Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934<br>or Section 30(h) of the Investment Company Act of 1940 |  |  |  |  |                  |          |                    |  |  | OMB APPROVAL           OMB Number:         3235-0287           Estimated average burden         hours per response:         0.5 |   |                            | 3235-0287  |   |  |
| transac<br>contrac<br>the pur<br>of the i<br>the affi  | chase or sale of                                      | pursuant to a<br>r written plan for<br>of equity securities<br>rended to satisfy<br>e conditions of |  |  |  |  |  |                  |          |                    |  |  |   |   |                            |  |   |  |
|  | nd Address of<br>HT PATI                              |   | 2. Issuer Name and Ticker or Trading Symbol<br>BioAge Labs, Inc. [BIOA]  |  |  |  |  |                  |          | (Che               | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br>Unrector 10% Owner |  |   |   |                            |  |   |  |
| (Last) (First)<br>C/O BIOAGE LABS, INC.<br>1445A SOUTH 50TH STREET   |   |   | (Middle)   |  | 3. Date of Earliest Transaction (M<br>09/25/2024 |  |  |                  | nth/D    | ay/Year)           |  |  | Officer (give title Other (specify below) below)  |   |                            |  | pecify  |  |
|  | RICHMOND CA 94804                                     |   |  |  |  | 4. If Amendment, Date of Original Filed (Month/Day/Year) |  |                  |          |                    |  |  |   | <ul> <li>6. Individual or Joint/Group Filing (Check Applicable Line)</li> <li>Form filed by One Reporting Person</li> <li>Form filed by More than One Reporting Person</li> </ul> |                            |  |   |  |
| (City)   | (   | State)  | (Zip)  | Darity                                     | -  | 0  |  |                  | Die      | n a a a d a f      | D  |  | Outro o d   |   |                            |  |   |  |
| 1. Title of Security (Instr. 3)  |   |   |  | 2. Transaction<br>Date<br>(Month/Day/Year) |  | 2A. D<br>Exect<br>if any                                 | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year)                                  |                  | 3.       |                    | 4. Securities Acquired (A) on<br>Disposed Of (D) (Instr. 3, 4 a                                  |  | 5. Amount of<br>Securities<br>Beneficially<br>Following F   | Owned<br>Reported   |                            |  | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |
|  |   |   |  |  |  |  |  |                  | v        | Amount             | (A) o<br>(D)   | r Price                                    | (Instr. 3 and 4)  |   |                            |  | insu. 4)  |  |
| Common Stock   |   |   |  | 09/27/2024                                 |  |  |  |                  |          | 1,310,589 A        |  | (1)  | 1,310,  | 1,310,589   |                            | I I  | Longitude<br>Venture<br>Partners<br>IV, L.P. <sup>(2)</sup>       |  |
| Common Stock   |   |   |  | 09/27/2024                                 |  |  |  | Р                |          | 400,00             | 400,000 A  |  | 1,710,589   |   |                            | I I  | Longitude<br>Venture<br>Partners<br>IV, L.P. <sup>(2)</sup>       |  |
|  |   |   | Table II - I   |  |  |  | ies Acqu<br>varrants,  |                  |          |                    |  |  | wned  |   |                            |  |   |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)  | ive Conversion Date<br>y or Exercise (Month/Day/Year) |   | 3A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year   | 4.<br>Transa<br>Code                       | action   | 5. Num<br>Derivat<br>Securit<br>Acquire<br>Dispos        | Number of<br>erivative<br>ecurities<br>cquired (A) or<br>isposed of (D)<br>nstr. 3, 4 and 5) |                  | -        | isable and<br>te   | 7. Title ar<br>Securitie   | nd Amount of<br>s Underlying<br>e Security | 8. Price of<br>Derivative<br>Security<br>(Instr. 5)   | 9. Num<br>derivati<br>Securiti<br>Benefic<br>Owned<br>Followi<br>Reporte  | ive<br>ies<br>:ially<br>ng | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | Beneficial<br>Ownership<br>ct (Instr. 4)                          |  |
|  |   |   |  | Code                                       | v  | (A)  | (D)  | Date<br>Exercisa | able     | Expiration<br>Date | Title  | Amount or<br>Number of<br>Shares           |   | Transac<br>(Instr. 4  | ction(s)                   |  |   |  |
| Stock<br>Option<br>(Right to<br>Buy)   | \$18  | 09/25/2024  |  | A  |  | 15,000   |  | (3)              |          | 09/24/2034         | Common<br>Stock  | 15,000                                     | \$0   | 15,0  | 000                        | D  |   |  |
| Series D<br>Preferred<br>Stock   | (1)   | 09/27/2024 C 5,848,6  |  | 5,848,637                                  | (1)  |  | (1)  | Common<br>Stock  | 1,310,58 | ) (1)              | 0  |  | I   | Longitude<br>Venture<br>Partners<br>IV, L.P. <sup>(2)</sup>   |                            |  |   |  |
| Explanatio   | n of Respons  | ses:  |  |  |  |  |  |                  |          |                    |  |  |   |   |                            |  |   |  |

1. Pursuant to the Issuer's Restated Certificate of Incorporation, upon closing of the Issuer's initial public offering of its Common Stock, each share of Series D Convertible Preferred Stock automatically converted into shares of Common Stock at a ratio of 1-for-0.224084614. The securities have no expiration date.

2. These shares are directly held by Longitude Venture Partners IV, L.P ("LVP IV"). Longitude Capital Partners IV, LLC ("LCP IV") is the general partner of LVP IV and may be deemed to exercise voting and investment discretion with respect to securities held by LVP IV. The reporting person and Ms. Juliet Tammenoms Bakker serve as the managing members of LCP IV and may be deemed to share voting and investment discretion with respect to securities held by LVP IV. Each of LCP IV, Mr. Enright, and Ms. Tammenoms Bakker disclaims beneficial ownership of such securities and this report shall not be deemed an admission that any of them is the beneficial owner of the securities reported herein for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, or for any other purpose, except to the extent of their respective pecuniary interests therein. therein.

3. The entire option award shall vest on the earlier of: (i) the date of the next annual meeting of the Issuer's stockholders or (ii) the one year anniversary of the grant date, subject to the reporting person's continued service to the Issuer on the applicable vesting date.

/s/ Dov A. Goldstein as attorney- 09/27/2024 in-fact

Date

\*\* Signature of Reporting Person

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.